Computer Methods in Applied Mechanics and Engineering 94 (1992) 443–445
North-Holland

Author index of Volume 94*

Argyris, J. and J. Szimmat, An analysis of temperature radiation interchange problems (2) 155–180
Argyris, J., A. Laxander and J. Szimmat, Petrov–Galerkin Finite Element approach to coupled heat and fluid flow (2) 181–200

Baaijens, F.P.T., Numerical analysis of unsteady viscoelastic flow (2) 285–299
Balakrishnan, A.V., Combined structures-controls optimization of lattice trusses (1) 131–152
Beagles, A.E., see Hlaváček, I. (1) 93–112
Behr, M., see Tezduyar, T.E. (3) 339–351
Behr, M., see Tezduyar, T.E. (3) 353–371

Cervera, M., see Codina, R. (2) 239–262
Codina, R., E. Oñate and M. Cervera, The intrinsic time for the streamline upwind/Petrov–Galerkin formulation using quadratic elements (2) 239–262

Florian, P., see Gambolati, G. (1) 13– 23
Fujikubo, M., see Ueda, Y. (3) 317–337

Gambolati, G., F. Sartoretto and P. Florian, An orthogonal accelerated deflation technique for large symmetric eigenproblems (1) 13– 23
Gastine, J.L., see Ladeveze, P. (3) 303–315

Hlaváček, I., J. Rosenberg, A.E. Beagles and J.R. Whiteman, Variational inequality formulation in strain space and finite element solution of an elasto-plastic problem with hardening (1) 93–112
Honnor, M.E., see Perić, D. (1) 35– 61

Ioakimidis, N.I., Application of computer algebra to the iterative solution of singular integral equations (2) 229–237

Ladeveze, P., P. Marin, J.P. Pelle and J.L. Gastine, Accuracy and optimal meshes in finite element computation for nearly incompressible materials (3) 303–315
Laxander, A., see Argyris, J. (2) 181–200
Lewis, R.W. and Y. Zheng, Coarse optimization for complex systems: An application of orthogonal experiments (1) 63– 91
Liou, J., see Tezduyar, T.E. (3) 339–351
Liou, J., see Tezduyar, T.E. (3) 353–371

* The issue number is given in front of the page numbers.

Mallet, M., C. Poirier and F. Shakib, A new finite element formulation for computational fluid dynamics: Development of an hourglass control operator for multidimensional advective-diffusive systems (3) 429–442
Marin, P., see Ladeveze, P. (3) 303–315
Mittal, S., see Tezduyar, T.E. (3) 353–371

Nakamura, T. and M. Ohsaki, A natural generator of optimum topology of plane trusses for specified fundamental frequency (1) 113–129
Nemat-Nasser, S., see Rashid, M.M. (2) 201–228

Ohsaki, M., see Nakamura, T. (1) 113–119
Oñate, E., see Codina, R. (2) 239–262
Owen, D.R.J., see Perić, D. (1) 35– 61

Papadopoulos, P. and R.L. Taylor, A mixed formulation for the finite element solution of contact problems (3) 373–389
Pelle, J.P., see Ladeveze, P. (3) 303–315
Perić, D., D.R.J. Owen and M.E. Honnor, A model for finite strain elasto-plasticity based on logarithmic strains: Computational issues (1) 35– 61
Poirier, C., see Mallet, M. (3) 429–442

Rashid, M.M. and S. Nemat-Nasser, A constitutive algorithm for rate-dependent crystal plasticity (2) 201–228
Rogier, F. and J. Segre, Mixed finite element method applied to a magnetostatic problem (1) 1– 11
Rosenberg, J., see Hlaváček, I. (1) 93–112

Sartoretto, F., see Gambolati, G. (1) 13– 23
Schreyer, H.L., The generation of element stiffness matrices from base matrices in the node space (2) 263–283
Segre, J., see Rogier, F. (1) 1– 11
Shakib, F., see Mallet, M. (3) 429–442
Smolinski, P., An explicit multi-time step integration method for second order equations (1) 25– 34
Szimmat, J., see Argyris, J. (2) 155–180
Szimmat, J., see Argyris, J. (2) 181–200

Taylor, R.L., see Papadopoulos, P. (3) 373–389
Taylor, R.L., see Weissman, S.L. (3) 391–427
Tezduyar, T.E., M. Behr and J. Liou, A new strategy for finite element computations involving moving boundaries and interfaces—The deforming-spatial-domain/space-time procedure: I. The concept and the preliminary numerical tests (3) 339–351
Tezduyar, T.E., M. Behr, S. Mittal and J. Liou, A new strategy for finite element computations involving moving boundaries and interfaces—The deforming-spatial-domain/space-time procedure: II. Computation of free-surface flows, two-liquid flows, and flows with drifting cylinders (3) 353–371

Ueda, Y. and M. Fujikubo, Plastic node method considering strain-hardening effects (3) 317–337

Weissman, S.L. and R.L. Taylor, Mixed formulations for plate bending elements (3) 391–427
Whiteman, J.R., see Hlaváček, I. (1) 93–112

Zheng Y., see Lewis, R.W. (1) 63– 91

Computer Methods in Applied Mechanics and Engineering 94 (1992) 447–451
North-Holland

Subject index of Volume 94*

Coupled problems

Petrov–Galerkin Finite Element approach to coupled heat and fluid flow, J. Argyris, A. Laxander and J. Szimmat (2) 181–200

Dynamics

An explicit multi-time step integration method for second order equations, P. Smolinski (1) 25– 34

Elasticity

Application of computer algebra to the iterative solution of singular integral equations, N.I. Ioakimidis (2) 229–237

Electromagnetic fields

Mixed finite element method applied to a magnetostatic problem, F. Rogier and J. Segre (1) 1– 11

Finite element and matrix methods

An orthogonal accelerated deflation technique for large symmetric eigenproblems, G. Gambolati, F. Sartoretto and P. Florian (1) 13– 23
A model for finite strain elasto-plasticity based on logarithmic strains: Computational issues, D. Perić, D.R.J. Owen and M.E. Honnor (1) 35– 61
Variational inequality formulation in strain space and finite element solution of an elasto-plastic problem with hardening, I. Hlaváček, J. Rosenberg, A.E. Beagles and J.R. Whiteman (1) 93–112
An analysis of temperature radiation interchange problems, J. Argyris and J. Szimmat (2) 155–180
The intrinsic time for the streamline upwind/Petrov–Galerkin formulation using quadratic elements, R. Codina, E. Oñate and M. Cervera (2) 239–262
The generation of element stiffness matrices from base matrices in the node space, H.L. Schreyer (2) 263–283
Numerical analysis of unsteady viscoelastic flow, F.P.T. Baaijens (2) 285–299
Accuracy and optimal meshes in finite element computation for nearly incompressible materials, P. Ladeveze, P. Marin, J.P. Pelle and J.L. Gastine (3) 303–315

* The issue number is given in front of the page numbers.

Plastic node method considering strain-hardening effects, Y. Ueda and M. Fujikubo (3) 317–337
A new strategy for finite element computations involving moving boundaries and interfaces—The deforming-spatial-domain/space-time procedure: I. The concept and the preliminary numerical tests, T.E. Tezduyar, M. Behr and J. Liou (3) 339–351
A new strategy for finite element computations involving moving boundaries and interfaces—The deforming-spatial-domain/space-time procedure: II. Computation of free-surface flows, two-liquid flows, and flows with drifting cylinders, T.E. Tezduyar, M. Behr, S. Mittal and J. Liou (3) 353–371
A mixed formulation for the finite element solution of contact problems, P. Papadopoulos and R.L. Taylor (3) 373–389
Mixed formulations for plate bending elements, S.L. Weissman and R.L. Taylor (3) 391–427
A new finite element formulation for computational fluid dynamics: Development of an hourglass control operator for multidimensional advective-diffusive systems, M. Mallet, C. Poirier and F. Shakib (3) 429–442

Fluid mechanics

Petrov–Galerkin Finite Element approach to coupled heat and fluid flow, J. Argyris, A. Laxander and J. Szimmat (2) 181–200
The intrinsic time for the streamline upwind/Petrov–Galerkin formulation using quadratic elements, R. Codina, E. Oñate and M. Cervera (2) 239–262
Numerical analysis of unsteady viscoelastic flow, F.P.T. Baaijens (2) 285–299
A new strategy for finite element computations involving moving boundaries and interfaces—The deforming-spatial-domain/space-time procedure: I. The concept and the preliminary numerical tests, T.E. Tezduyar, M. Behr and J. Liou (3) 339–351
A new strategy for finite element computations involving moving boundaries and interfaces—The deforming-spatial-domain/space-time procedure: II. Computation of free-surface flows, two-liquid flows, and flows with drifting cylinders, T.E. Tezduyar, M. Behr, S. Mittal and J. Liou (3) 353–371
A new finite element formulation for computational fluid dynamics: Development of an hourglass control operator for multidimensional advective-diffusive systems, M. Mallet, C. Poirier and F. Shakib (3) 429–442

Fracture mechanics

Application of computer algebra to the iterative solution of singular integral equations, N.I. Ioakimidis (2) 229–237

Heat and diffusion

An analysis of temperature radiation interchange problems, J. Argyris and J. Szimmat (2) 155–180

Incompressible and near incompressible media

Accuracy and optimal meshes in finite element computation for nearly incompressible materials, P. Ladeveze, P. Marin, J.P. Pelle and J.L. Gastine (3) 303–315

Matrix calculus

Petrov–Galerkin Finite Element approach to coupled heat and fluid flow, J. Argyris, A. Laxander and J. Szimmat (2) 181–200

Miscellaneous topics

Coarse optimization for complex systems: An application of orthogonal experiments, R.W. Lewis and Y. Zheng (1) 63– 91

Nonlinear mechanics

Variational inequality formulation in strain space and finite element solution of an elasto-plastic problem with hardening, I. Hlaváček, J. Rosenberg, A.E. Beagles and J.R. Whiteman (1) 93–112
A constitutive algorithm for rate-dependent crystal plasticity, M.M. Rashid and S. Nemat-Nasser (2) 201–228
Plastic node method considering strain-hardening effects, Y. Ueda and M. Fujikubo (3) 317–337
A mixed formulation for the finite element solution of contact problems, P. Papadopoulos and R.L. Taylor (3) 373–389

Numerical solution procedures

An explicit multi-time step integration method for second order equations, P. Smolinski (1) 25– 34
A constitutive algorithm for rate-dependent crystal plasticity, M.M. Rashid and S. Nemat-Nasser (2) 201–228
Application of computer algebra to the iterative solution of singular integral equations, N.I. Ioakimidis (2) 229–237
The generation of element stiffness matrices from base matrices in the node space, H.L. Schreyer (2) 263–283

Optimization

Coarse optimization for complex systems: An application of orthogonal experiments, R.W. Lewis and Y. Zheng (1) 63– 91
Combined structures-controls optimization of lattice trusses, A.V. Balakrishnan (1) 131–152

Optimization and design of structures

A natural generator of optimum topology of plane trusses for specified fundamental frequency, T. Nakamura and M. Ohsaki (1) 113–129

Plasticity

A model for finite strain elasto-plasticity based on logarithmic strains: Computational issues, D. Perić, D.R.J. Owen and M.E. Honnor (1) 35– 61
Variational inequality formulation in strain space and finite element solution of an elasto-plastic problem with hardening, I. Hlaváček, J. Rosenberg, A.E. Beagles and J.R. Whiteman (1) 93–112
A constitutive algorithm for rate-dependent crystal plasticity, M.M. Rashid and S. Nemat-Nasser (2) 201–228
Plastic node method considering strain-hardening effects, Y. Ueda and M. Fujikubo (3) 317–337

Problems in physics

An analysis of temperature radiation interchange problems, J. Argyris and J. Szimmat (2) 155–180
Petrov–Galerkin Finite Element approach to coupled heat and fluid flow, J. Argyris, A. Laxander and J. Szimmat (2) 181–200

Shells and plates

Plastic node method considering strain-hardening effects, Y. Ueda and M. Fujikubo (3) 317–337
Mixed formulations for plate bending elements, S.L. Weissman and R.L. Taylor (3) 391–427

Solution of integral equations (singularity method)

An analysis of temperature radiation interchange problems, J. Argyris and J. Szimmat (2) 155–180
Application of computer algebra to the iterative solution of singular integral equations, N.I. Ioakimidis (2) 229–237

Solutions of ordinary and partial differential equations

An analysis of temperature radiation interchange problems, J. Argyris and J. Szimmat (2) 155–180

Structural mechanics

Variational inequality formulation in strain space and finite element solution of an elasto-plastic problem with hardening, I. Hlaváček, J. Rosenberg, A.E. Beagles and J.R. Whiteman (1) 93–112
Combined structures-controls optimization of lattice trusses, A.V. Balakrishnan (1) 131–152
The generation of element stiffness matrices from base matrices in the node space, H.L. Schreyer (2) 263–283
Accuracy and optimal meshes in finite element computation for nearly incompressible materials, P. Ladeveze, P. Marin, J.P. Pelle and J.L. Gastine (3) 303–315

Plastic node method considering strain-hardening effects, Y. Ueda and M. Fujikubo (3) 317–337

Thermal effects and thermodynamics

Petrov–Galerkin Finite Element approach to coupled heat and fluid flow, J. Argyris, A. Laxander and J. Szimmat (2) 181–200

Transport phenomena

The intrinsic time for the streamline upwind/Petrov–Galerkin formulation using quadratic elements, R. Codina, E. Oñate and M. Cervera (2) 239–262

A new strategy for finite element computations involving moving boundaries and interfaces—The deforming-spatial-domain/space-time procedure: I. The concept and the preliminary numerical tests, T.E. Tezduyar, M. Behr and J. Liou (3) 339–351

A new strategy for finite element computations involving moving boundaries and interfaces—The deforming-spatial-domain/space-time procedure: II. Computation of free-surface flows, two-liquid flows, and flows with drifting cylinders, T.E. Tezduyar, M. Behr, S. Mittal and J. Liou (3) 353–371

A new finite element formulation for computational fluid dynamics: Development of an hourglass control operator for multidimensional advective-diffusive systems, M. Mallet, C. Poirier and F. Shakib (3) 429–442

Viscoelastic and viscoplastic media

Numerical analysis of unsteady viscoelastic flow, F.P.T. Baaijens (2) 285–299

Workhardening structures

Plastic node method considering strain-hardening effects, Y. Ueda and M. Fujikubo (3) 317–337